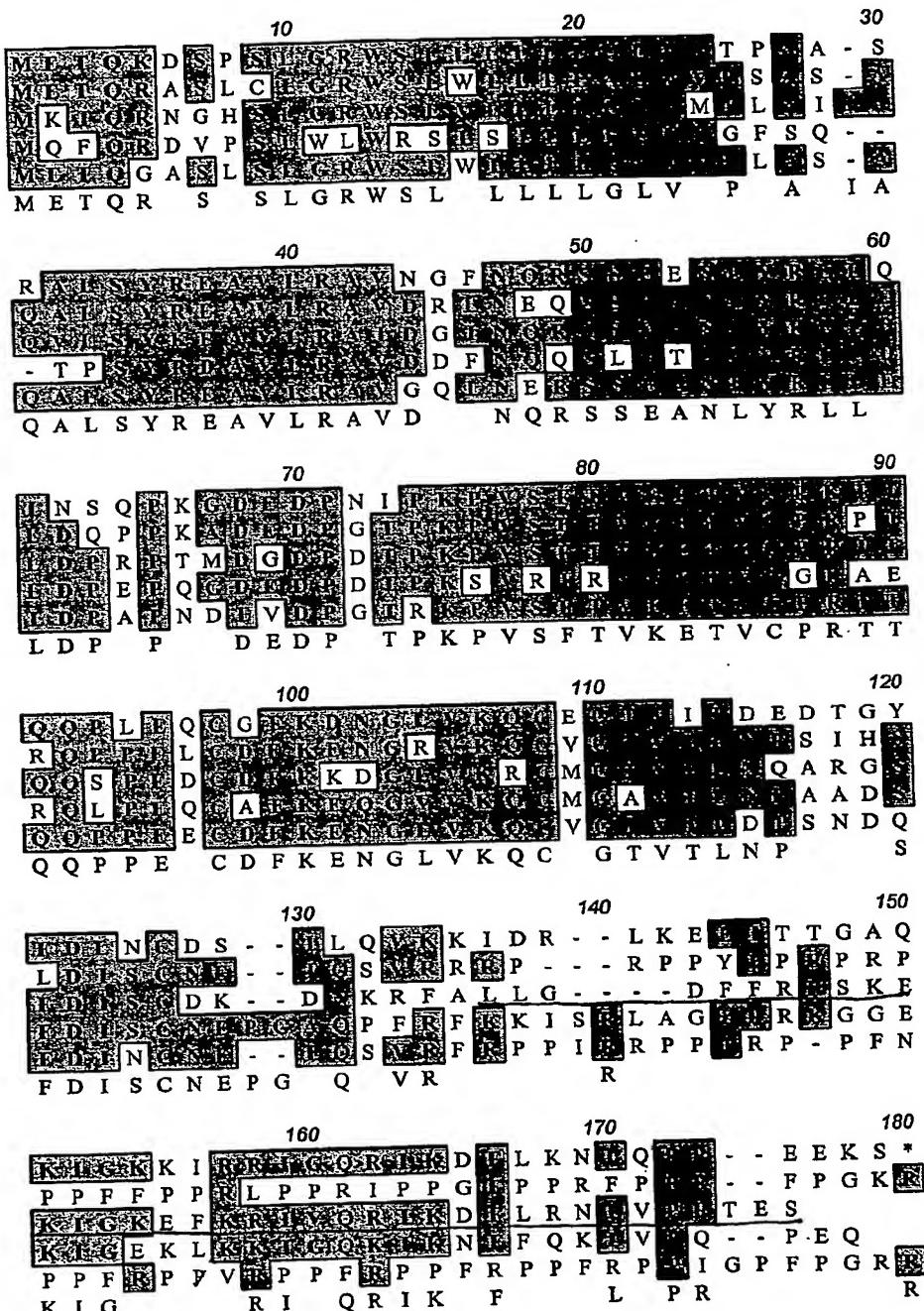
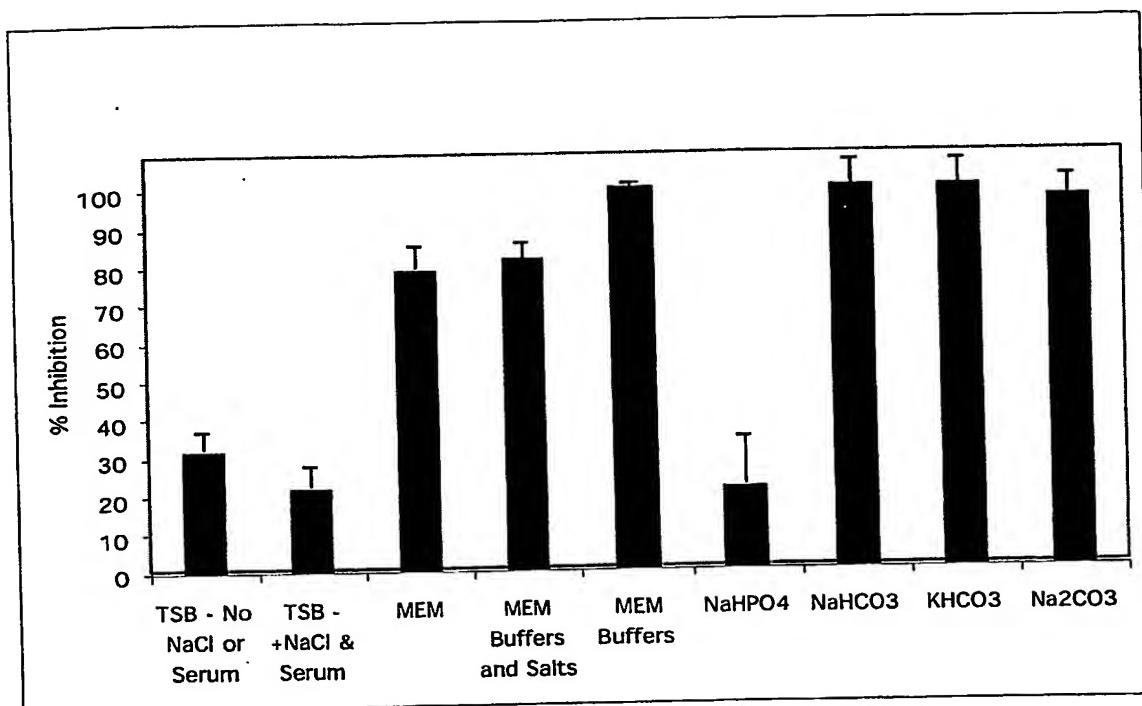


## Formatted Alignments

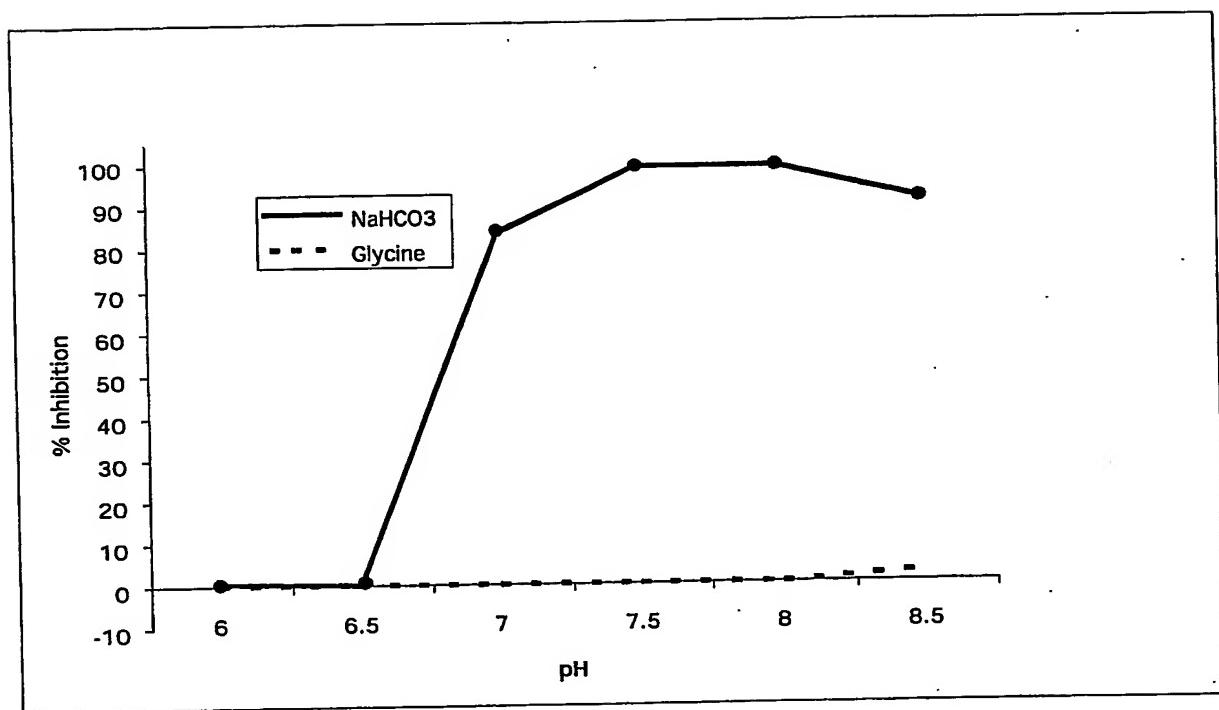
**FL Dog Cath Protein Met-Stop**  
**PR-39 cDNA Translation**  
**II37 full length**  
**cramp full length**  
**Goat Cath-P82018 Bacteneclin 5**



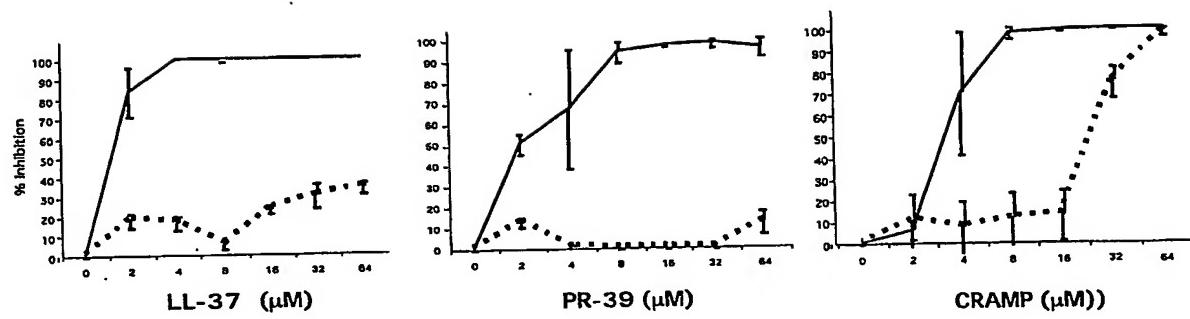
**FIG. 1**

**FIG. 2**

Staph aureus  
32 uM LL-37  
20% TSB  
10% FCS  
pH 7.4

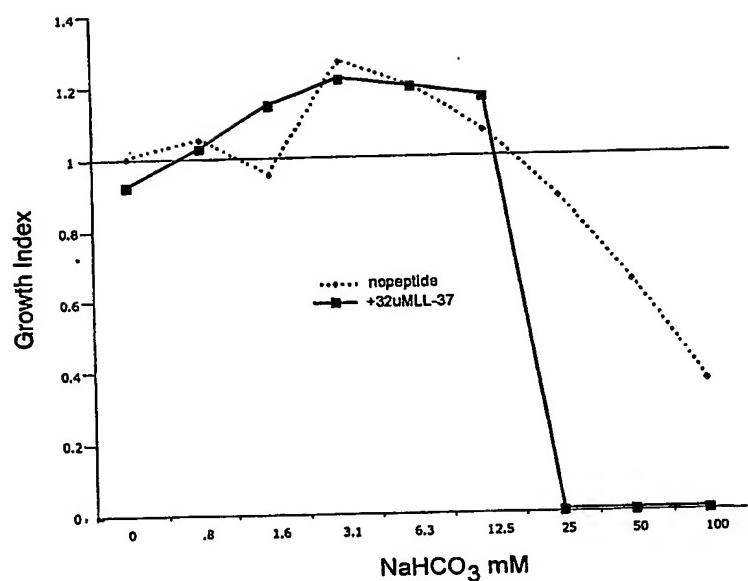
**FIG. 3**

Staph aureus  
32 uM LL-37  
20% TSB  
150 mM NaCl  
10% FCS

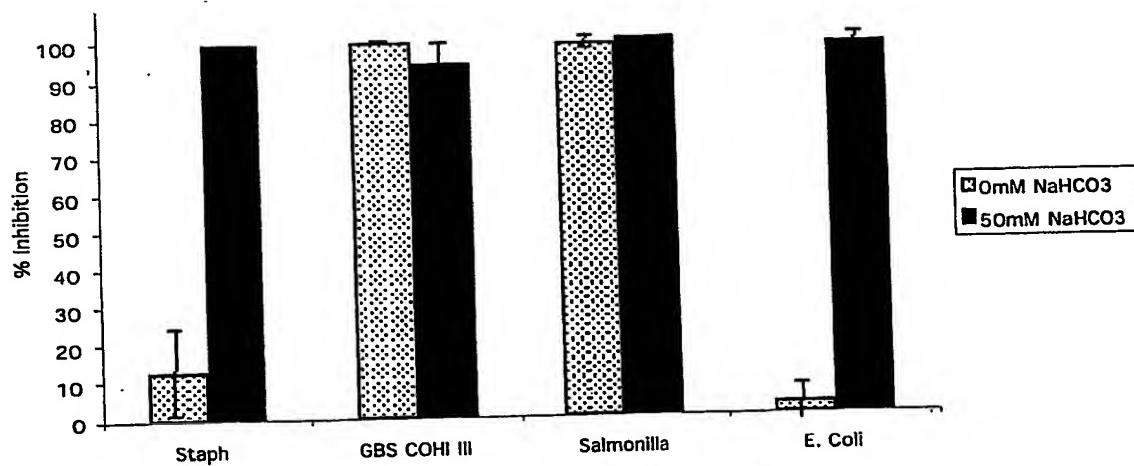
**FIG. 4**

Staph aureus  
20% TSB  
NO NaCl  
No FCS

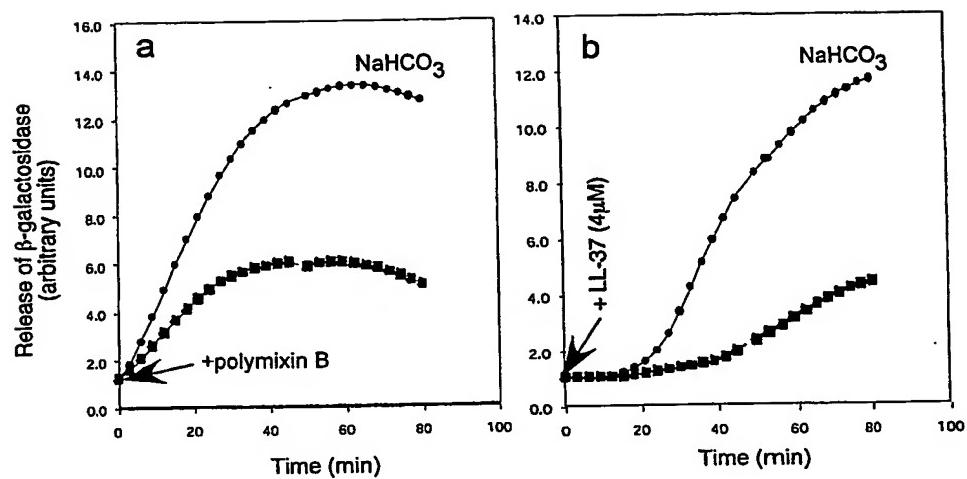
— 0mM NaHCO<sub>3</sub>  
— 50mM NaHCO<sub>3</sub>

**FIG. 5**

Staph aureus  
pH 7.4  
20% TSB  
150 mM NaCl  
10% FCS

**FIG. 6**

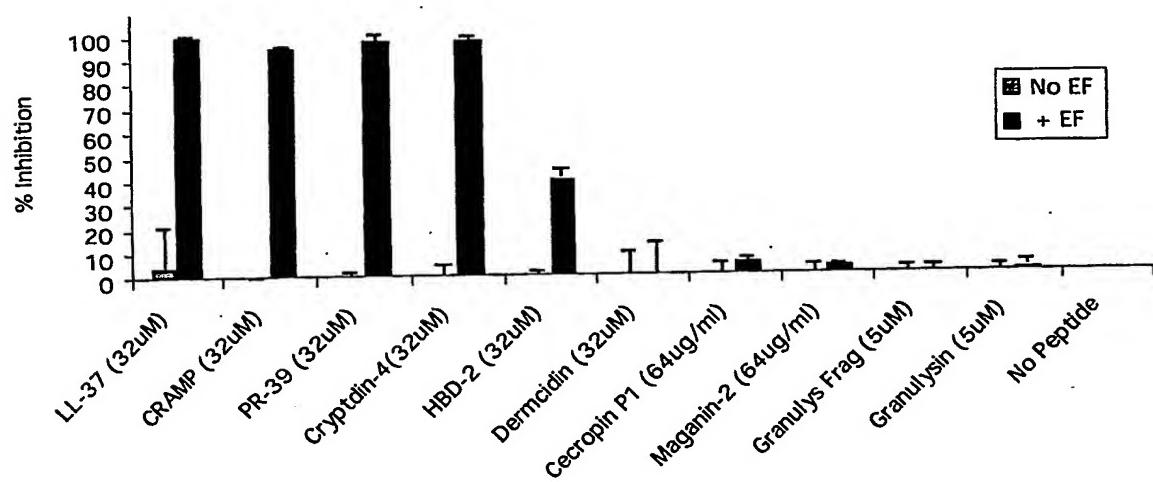
Cramp at 16 uM  
20% TSB  
no NaCl or FCS  
pH 7.4

**FIG. 7**

e. coli inner membrane permeability  
no NaCl, FCS  
pH 7.4  
data are OD 420 with antibiotic/no antibiotic

**FIG. 8**

**Effect of EF on the Inhibitory Activity of Various Antimicrobial Peptides on Staph Aureus (+150mM NaCl and 10% FCS)**



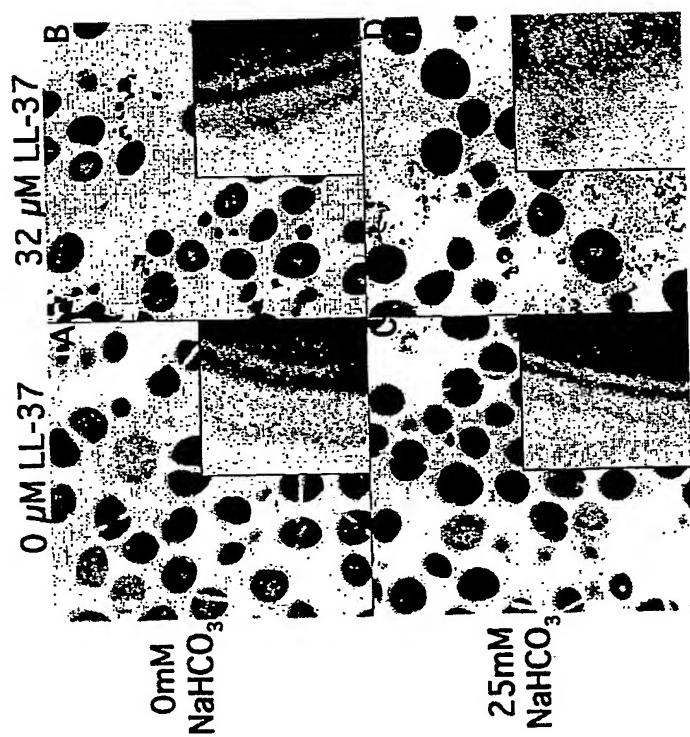
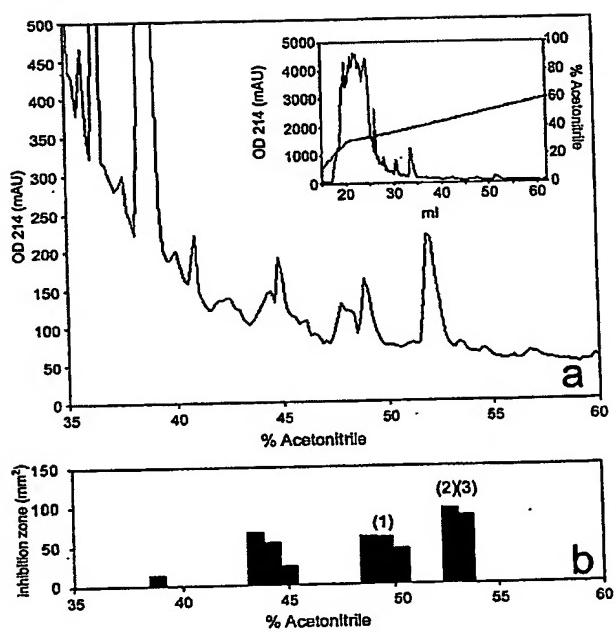
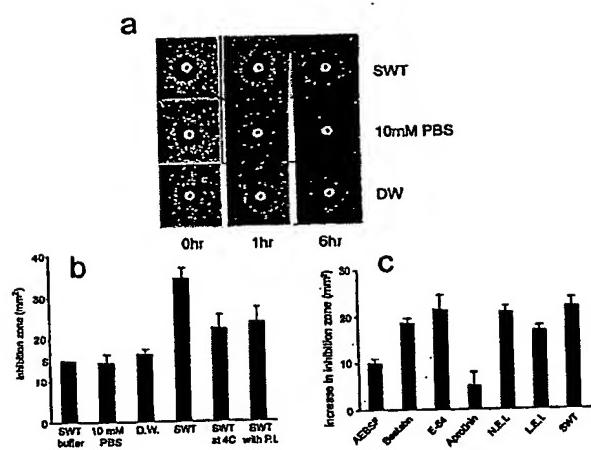
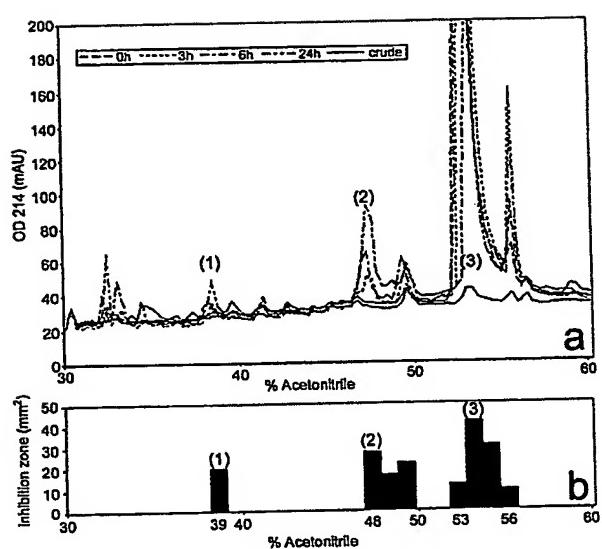
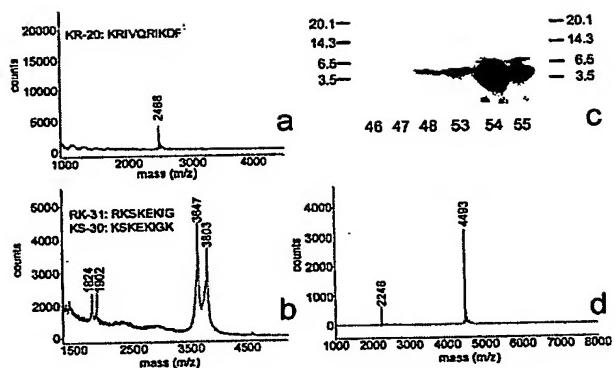


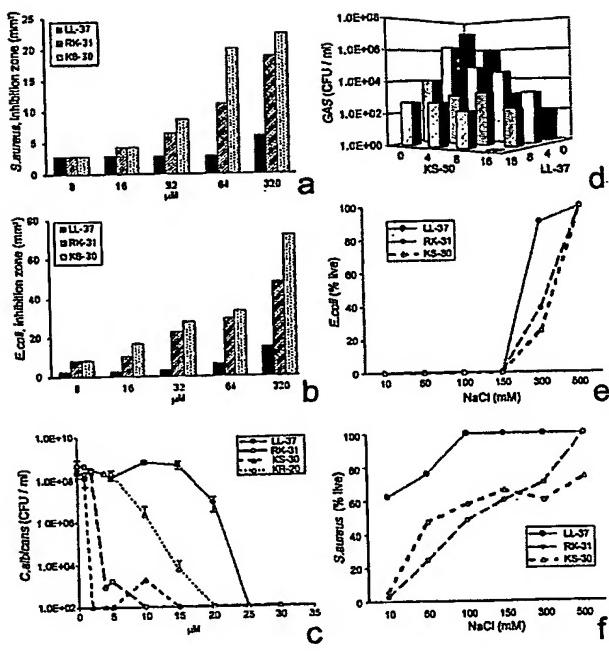
FIG. 9

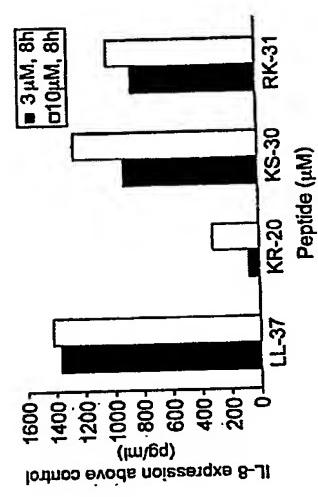
**FIG. 10**

**FIG. 11**

**FIG. 12**

**FIG. 13**

**FIG. 14**

**FIG. 15**

LL37 blocks LPS-induced chemokine release from  
Human Dendritic cells

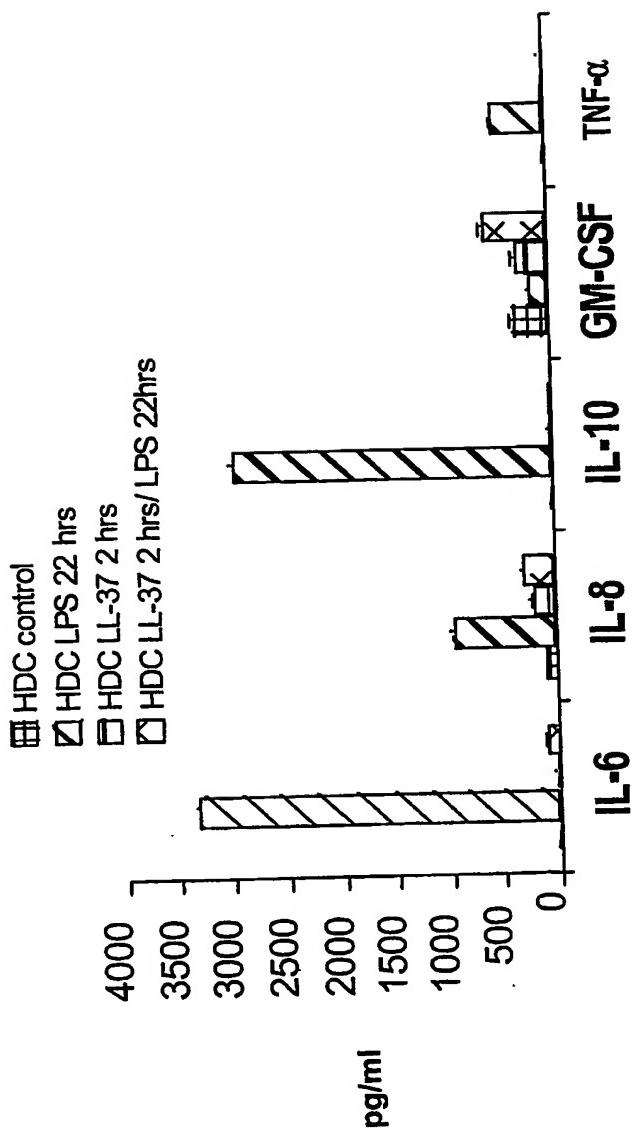


FIG. 16

Mouse LL37 homolog (Cramp)  
blocks LPS-induced chemokine release from  
Mouse Dendritic cells

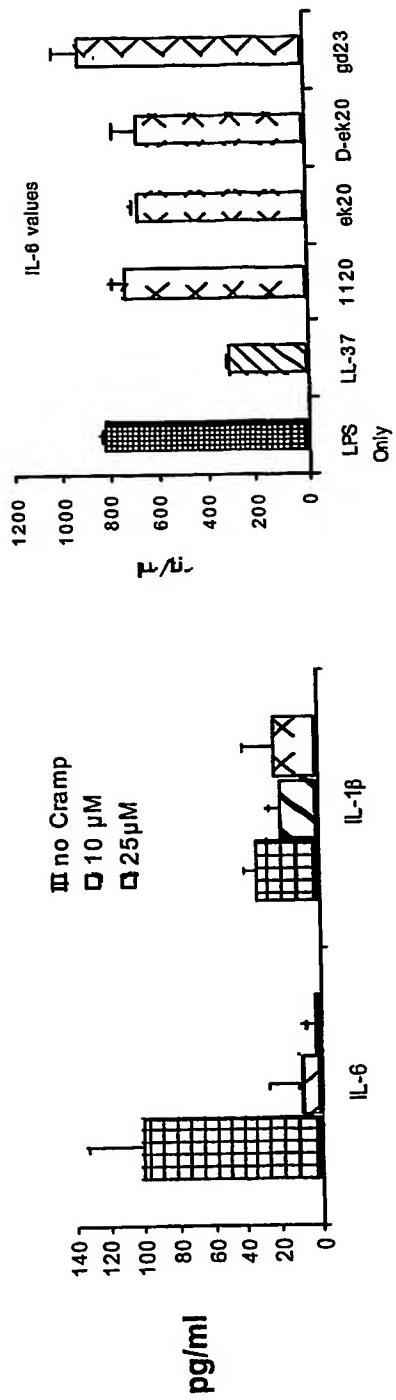


FIG. 17

## CRAMP inhibits antigen presentation in vitro

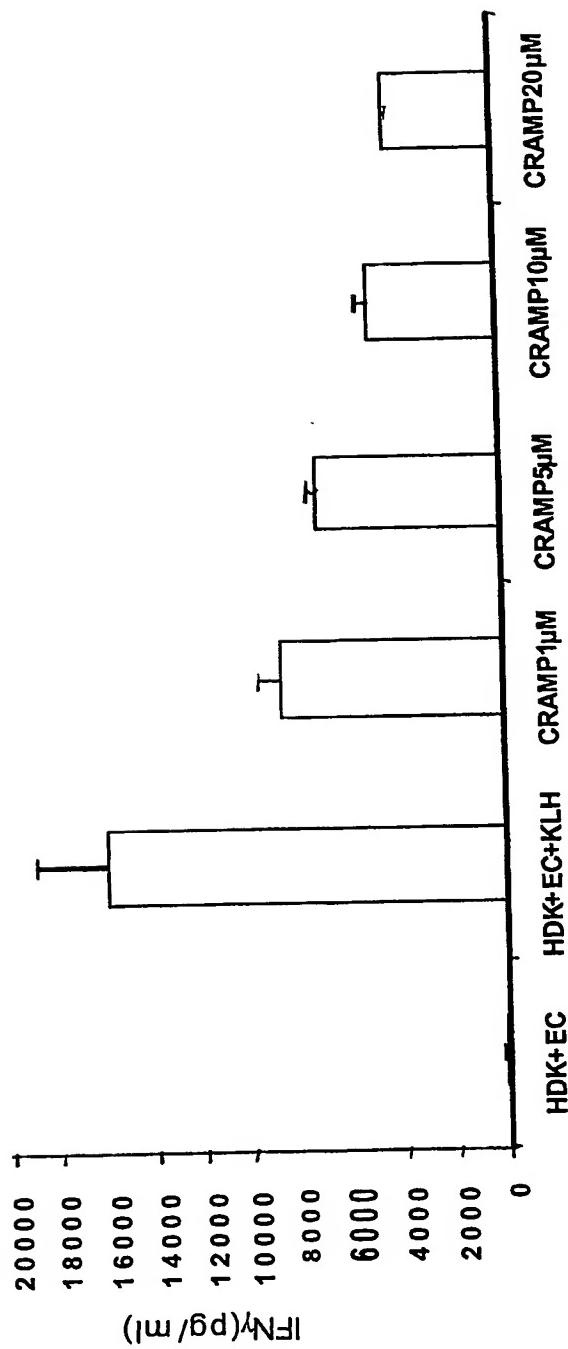


FIG. 18A

Collaboration with R Granstein

# CRAMP inhibits antigen presentation in vivo

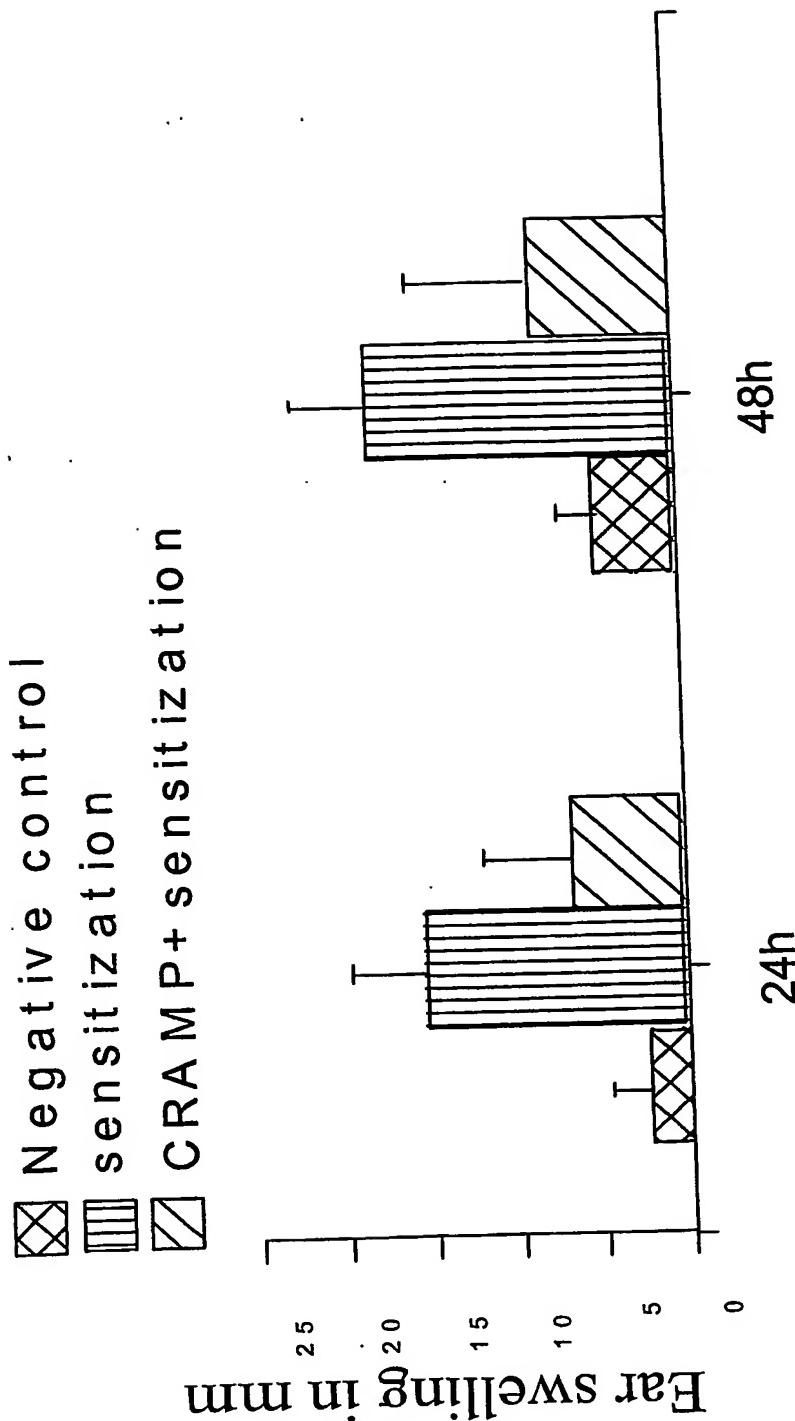


FIG. 18B

# CRAMP inhibits antigen presentation in vivo

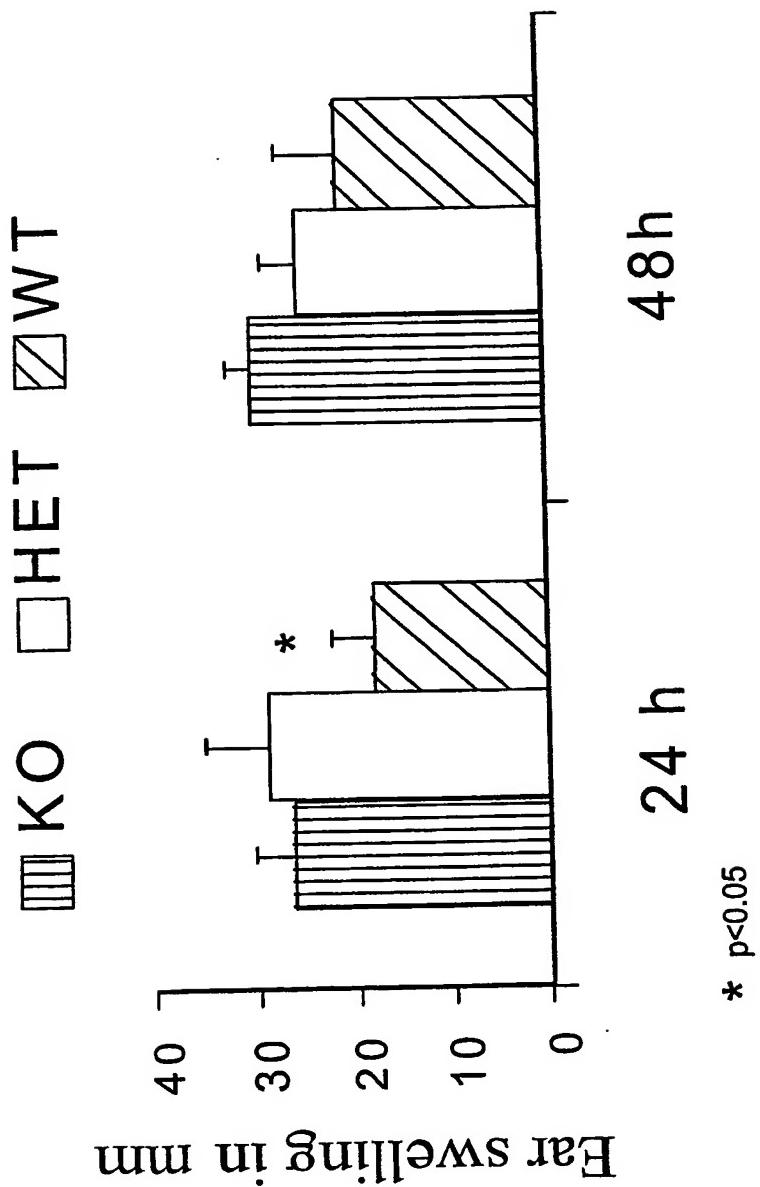


FIG. 18C

Identification of cathelicidin peptides on the  
normal skin surface

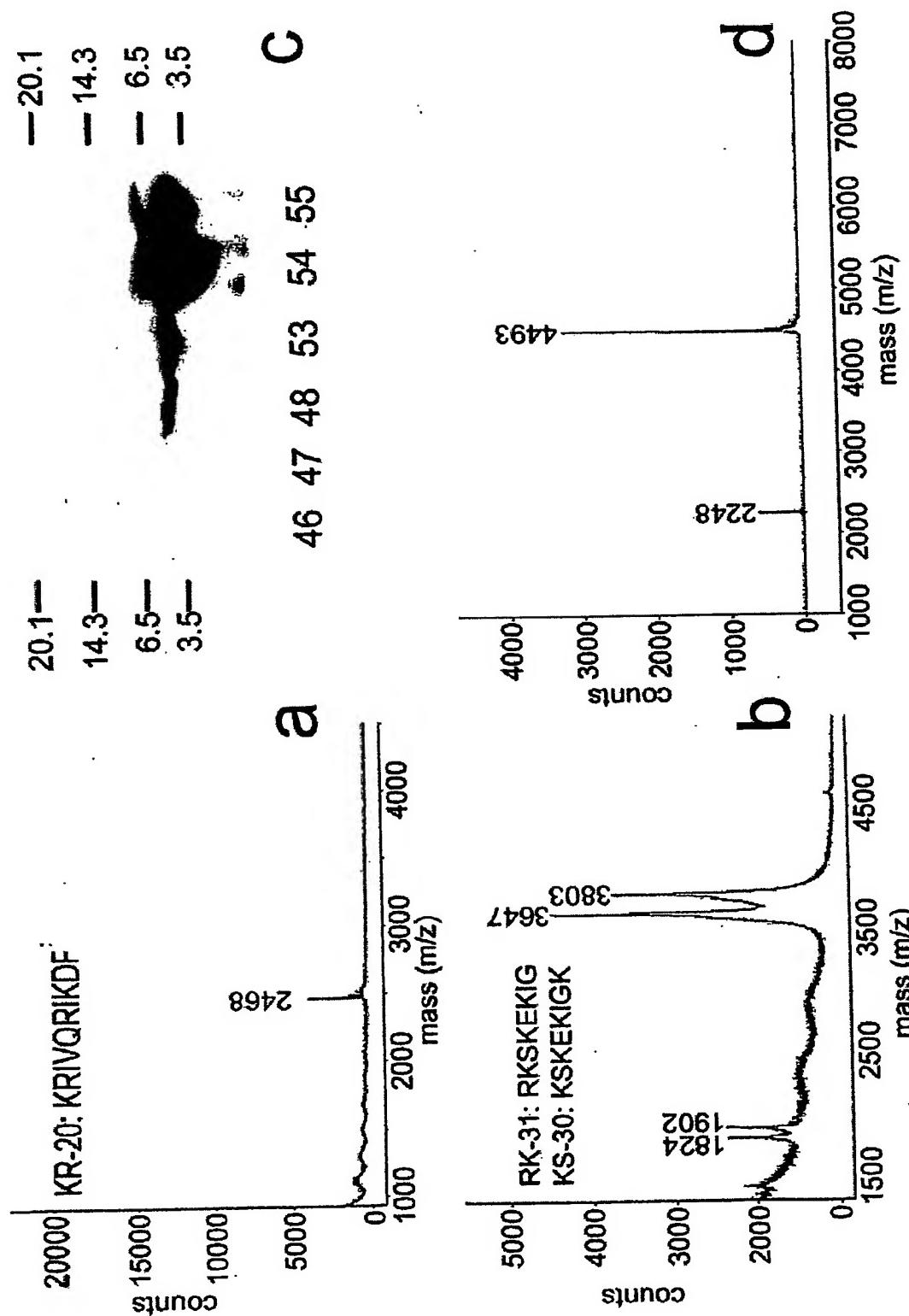


FIG. 19

# Processing of cathelin peptides on the normal skin surface

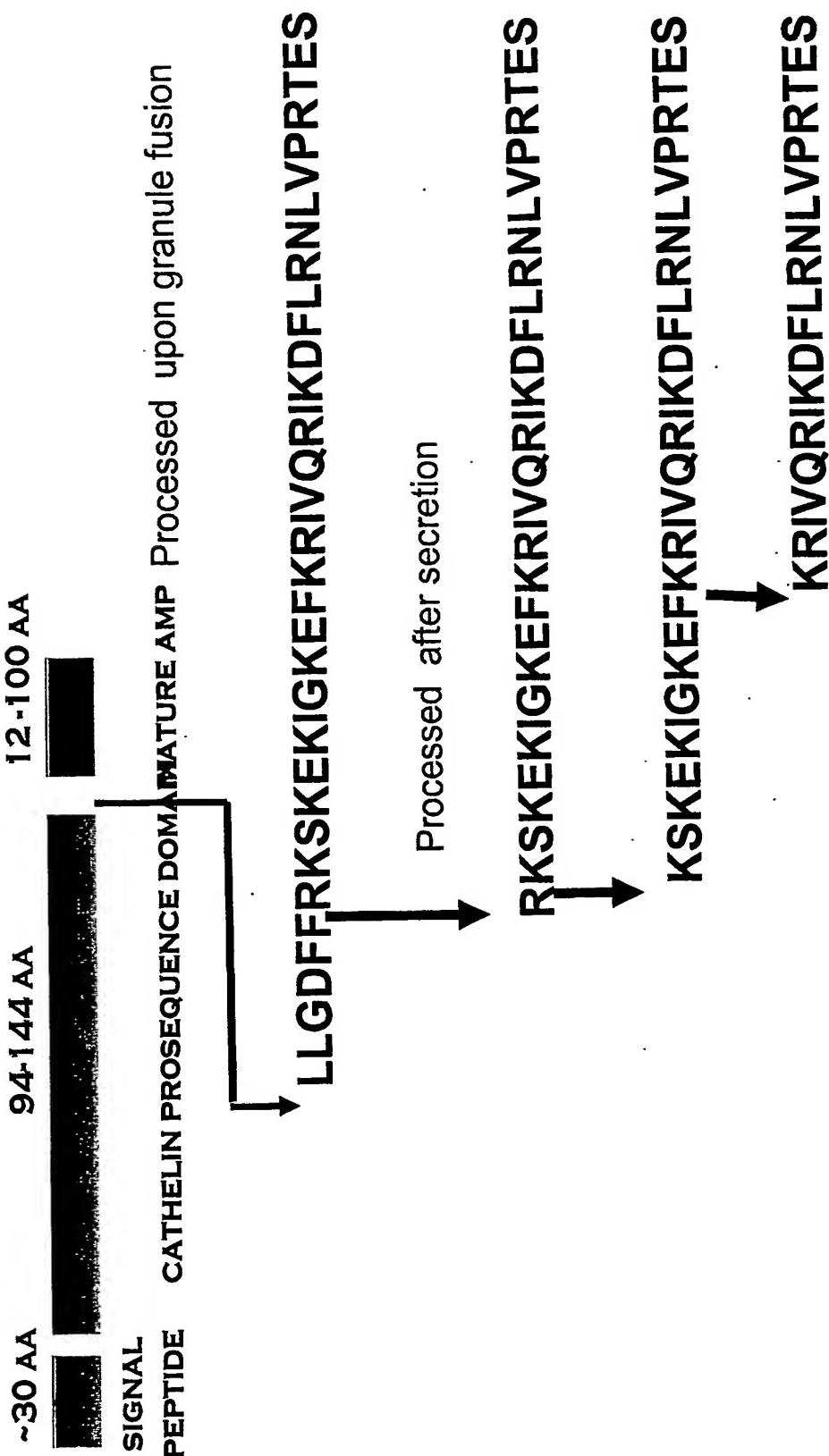


FIG. 20

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